

Converting Colors

CIELCh(91, 28.228, 197.771)

Have a look what the booklet for
CIELCh(91, 28.228, 197.771)
contains.

CIELCh(91, 28.392, 197.615)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 28.392, 197.615)

Conversions

Conversions Part 1

Format	Color
Hex	9AF5F5
RGB	154, 245, 245
RGB Percent	60%, 96%, 96%
CMY	0.3975, 0.0407, 0.0407
CMYK	0.37, 0.00, 0.00, 0.04
HSL	180°, 81%, 78%
HSV	180°, 37%, 96%
XYZ	62.2209, 78.4833, 97.9595
YIQ	217.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

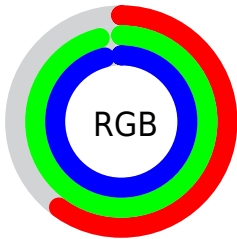
Format	Color
RYB	154, 200, 245
Decimal	10155509
CIELab	91.00, -27.06, -8.59
CIELCh	91, 28.392, 197.615
Yxy	78.4833, 0.2607, 0.3288
Android (android.graphics.Color)	4288345589 (0xFF9AF5F5)
YUV	217.7910, 13.4140, -55.9447
Hunter-Lab	88.5908, -29.6662, -3.5465

Details

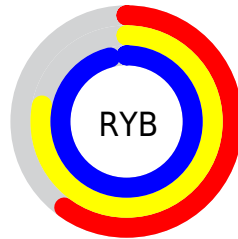
The CIELCh color **91, 28.392, 197.615** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 36.952, 22.924**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **71, 28.230, 198.366** is the 20% darker color. If you saturate the color by 10%, you get **90, 34.287, 197.246**, and if you desaturate by 10%, it is **92, 21.636, 198.041**.

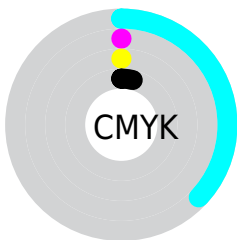
Distribution



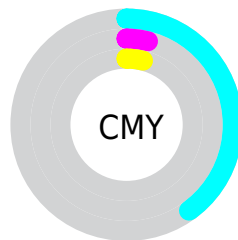
- Red (60%)
- Green (96%)
- Blue (96%)



- Red (60%)
- Yellow (78%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 28.392, 197.615 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 91, 28.392, 197.615 by changing the saturation by 10% instead.

■ 91, 28.392,
197.615

■ 91, 28.392,
197.615

■ 100, 28.392,
197.615

■ 81, 28.392,
197.615

■ 71, 28.392,
197.615

■ 61, 28.392,
197.615

■ 51, 28.392,
197.615

■ 41, 28.392,
197.615

■ 31, 28.392,
197.615

■ 21, 28.392,

197.615

■ 11, 28.392,
197.615

■ 1, 28.392, 197.615

■ 91, 28.392,
197.615

■ 91, 28.392,
197.615

■ 90, 34.287,
197.246

■ 92, 21.636,
198.041

■ 89, 39.206,
196.945

■ 94, 14.155,
198.532

■ 89, 43.070,
196.712

■ 95, 6.089, 199.113

■ 88, 45.851,
196.546

■ 97, 2.425, 19.300

■ 97, 3.677, 19.473

■ 88, 47.592,
196.443

■ 97, 3.677, 19.472

■ 88, 48.418,
196.394

■ 97, 3.677, 19.471

■ 88, 48.564,
196.386

■ 97, 3.677, 19.471

■ 97, 3.677, 19.470

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



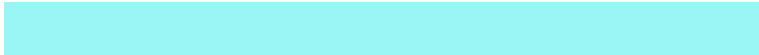
91, 28.392, 197.615



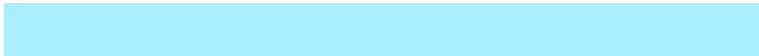
73, 36.952, 22.924

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 28.392, 197.615



91, 28.392, 247.615



91, 28.392, 17.615



91, 28.392, 67.615

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



91, 28.392, 197.612



98, 9.530, 198.873



89, 56.892, 141.281



52, 6.380, 198.794



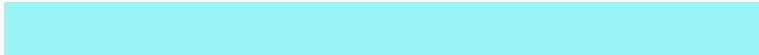
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 28.392, 197.612



94, 34.186, 197.317



79, 27.015, 259.847



50, 4.783, 198.965



69, 39.561, 196.386



22, 17.589, 196.386

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73, 36.952, 22.924



71, 47.454, 24.250



83, 30.393, 69.025



48, 5.080, 19.940



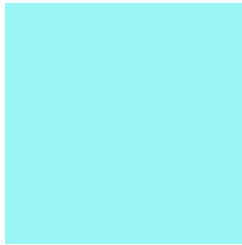
39, 82.550, 39.999



8, 31.025, 25.007

Previews

White Background



This preview shows how the CIE LCh color 91, 28.392, 197.615 looks on a white background.

Color Contrast Check

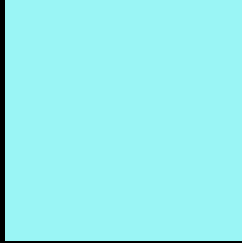
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 91, 28.392, 197.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

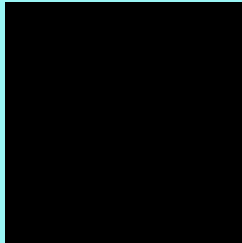
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 28.392, 197.615

Background



This preview shows how black text looks on a background with the CIELCh color 91, 28.392, 197.615.

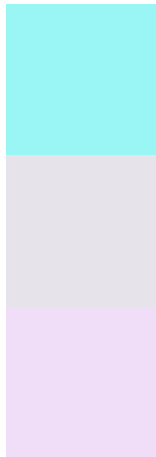


This preview shows how white text looks on a background with the CIELCh color 91, 28.392, 197.615.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
91, 28.392, 197.615

Protanopia
91, 3.806, 306.648

Deuteranopia
91, 15.432, 315.112



Tritanopia
91, 21.595, 220.997

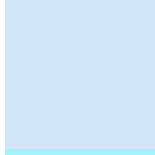
Trichromacy



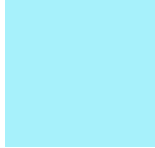
Original Color
91, 28.392, 197.615



Protanomaly
90, 10.796, 212.751



Deuteranomaly
90, 11.169, 251.562

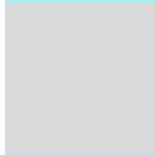


Tritanomaly
91, 23.692, 210.735

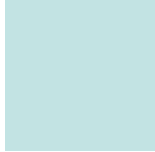
Monochromacy



Original Color
91, 28.392, 197.615



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 11.352, 198.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 28.392, 197.615 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(154, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(154, 245, 245)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(154, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 245, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 28.392, 197.615 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 245, 245) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(154, 245, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(154, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(154, 245,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 28.392, 197.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 245, 245) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(154,  
245, 245) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor